

# WHAT IS CLAIMED IS:

1. An information processing apparatus for reproducing or executing information, comprising:
  - 5 an acquisition unit for acquiring the information;
  - a processing unit for conducting reproduction processing or execution processing on the information acquired by the acquisition unit;
  - an encryption decision unit for making a decision whether information encrypted by using a predetermined encryption method is  
10 contained in the information acquired by the acquisition unit; and
  - a first control unit responsive to a fact that information encrypted by using the predetermined encryption method is not contained in the information acquired by the acquisition unit, found as a result of the decision made by the encryption decision unit, for controlling the acquisition  
15 unit so as to prevent the acquisition unit from further acquiring at least a part of the information, or for controlling the processing unit so as to prevent at least a part of the information acquired by the acquisition unit from being reproduced, executed, or finally output.
- 20 2. The information processing apparatus according to claim 1, comprising:
  - a format decision unit for making a decision whether information having a predetermined format is contained in the information acquired by the acquisition unit; and
  - 25 a second control unit responsive to a fact that information having the predetermined format is not contained in information acquired by the acquisition unit, found as a result of the decision made by the format

decision unit, for controlling the acquisition unit so as to prevent the acquisition unit from further acquiring at least a part of the information, or for controlling the processing unit so as to prevent at least a part of the information acquired by the acquisition unit from being reproduced, executed, or finally output.

3. The information processing apparatus according to claim 1, comprising:

a decryption unit responsive to a fact that information encrypted by using a predetermined encryption method is contained in the information acquired by the acquisition unit, for decrypting the information encrypted by using the predetermined encryption method;

an authentication information decision unit for making a decision whether the information decrypted by the decryption unit is authentication information; and

a third control unit responsive to a fact that the decrypted information is not authentication information, found as a result of the decision made by the authentication information decision unit, for controlling the acquisition unit so as to prevent the acquisition unit from further acquiring at least a part of the information, or for controlling the processing unit so as to prevent at least a part of the information acquired by the acquisition unit from being reproduced, executed, or finally output.

4. The information processing apparatus according to claim 3, wherein the authentication information decision unit makes a decision whether the decrypted information is authentication information by determining whether a checksum of the decrypted information is a

predetermined value.

5. The information processing apparatus according to claim 3, comprising:

5 an address decision unit responsive to a fact that the information decrypted by the decryption unit is the authentication information, for making a decision whether the authentication information has already been recorded at a predetermined address on an information recording medium; and

10 a fourth control unit responsive to a fact that the authentication information has not been recorded at the predetermined address, found as a result of the decision made by the address decision unit, for controlling the acquisition unit so as to prevent the acquisition unit from further acquiring at least a part of the information, or for controlling the processing unit so as  
15 to prevent at least a part of the information acquired by the acquisition unit from being reproduced, executed, or finally output.

6. The information processing apparatus according to claim 5, wherein contents information and the authentication information have already been  
20 recorded on the information recording medium, and a value obtained by conducting a predetermined arithmetic operation by using an address of the contents information on the information recording medium has been set as an address of the authentication information on the information recording medium, and

25 the address decision unit comprises:

an arithmetic operation unit for executing the predetermined arithmetic operation by using the address of the contents information on the

information recording medium; and

a comparison unit for determining whether the value at the address of the authentication information on the information recording medium coincides with a value obtained from the arithmetic operation conducted by the arithmetic operation unit by comparing them with each other.

7. The information processing apparatus according to claim 3, comprising:

a recording layer decision unit responsive to a fact that the information decrypted by the decryption unit is the authentication information, for making a decision whether the authentication information has already been recorded on a predetermined layer of a multilayer information recording medium; and

a fifth control unit responsive to a fact that the authentication information has not been recorded on the predetermined layer, found as a result of the decision made by the recording layer decision unit, for controlling the acquisition unit so as to prevent the acquisition unit from further acquiring at least a part of the information, or for controlling the processing unit so as to prevent at least a part of the information acquired by the acquisition unit from being reproduced, executed, or finally output.

8. The information processing apparatus according to claim 3, wherein the authentication information is image information.

9. The information processing apparatus according to claim 3, wherein the authentication information is a logo.

10. The information processing apparatus according to claim 3 to 7,  
wherein the authentication information has a DVD video format as a format  
thereof.

5 11. The information processing apparatus according to claim 1, wherein  
the predetermined encryption method is a method of encrypting  
information to be recorded on an information recording medium by using a  
key and recording the key in a predetermined recording area on the  
information recording medium, and

10 the predetermined recording area is an area that cannot be  
arbitrarily accessed by operating an information reading apparatus for  
ordinary users having a function of reading information recorded on the  
information recording medium, by means of an ordinary operation method.

15 12. The information processing apparatus according to claim 1, wherein  
the predetermined encryption method is the CSS (Content Scramble  
System).

13. The information processing apparatus according to claim 1, wherein  
20 the acquisition unit is a DVD-ROM drive.

14. The information processing apparatus according to claim 1, wherein  
the processing unit comprises an MPEG (Moving Picture Experts Group)  
decode module.

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15. The information processing apparatus according to claim 1, wherein  
the information acquired by the acquisition unit comprises a computer

program that can be executed in the information processing apparatus.

16. The information processing apparatus according to claim 1, wherein  
the information acquired by the acquisition unit comprises a game program  
5 that can be executed in the information processing apparatus.

17. A game apparatus comprising the information processing apparatus  
according to claim 16.

10 18. An information recording apparatus for recording contents  
information and authentication information for indicating that the contents  
information is genuine on an information recording medium, the information  
recording apparatus comprising:

an address acquisition unit for acquiring an address on the  
15 information recording medium on which the contents information should be  
recorded;

an address setting unit for conducting a predetermined arithmetic  
operation by using the address of the contents information acquired by the  
address acquisition unit, and for setting a value obtained by the arithmetic  
20 operation as an address of the authentication information on the information  
recording medium;

an encryption unit for encrypting the authentication information by  
using a predetermined encryption method; and

a recording unit for recording the contents information at the  
25 address acquired by the address acquisition unit and recording the  
authentication encrypted by the encryption unit at the address set by the  
address setting unit.

19. An information recording apparatus for recording contents information and authentication information for indicating that the contents information is genuine on a multilayer information recording medium, the  
5 information recording apparatus comprising:

a first recording unit for recording the contents information on some layers of the multilayer information recording medium;

an encryption unit for encrypting the authentication information by using a predetermined encryption method; and

10 a second recording unit for recording the authentication information encrypted by the encryption unit on one of layers in the multilayer information recording medium other than the layers on which the contents information is recorded.

15 20. A computer-readable information recording medium having contents information and authentication information for indicating that the contents information is genuine recorded thereon, wherein

the authentication information is recorded in such a state that it has been encrypted by using a predetermined encryption method, and

20 a value obtained by conducting a predetermined arithmetic operation using a recording address of the contents information is set as a recording address of the authentication information.

21. A computer-readable multilayer information recording medium  
25 having contents information and authentication information for indicating that the contents information is genuine, recorded thereon, wherein

the contents information is recorded on some layers of the

multilayer information recording medium, and

the authentication information is encrypted by using a predetermined encryption method and recorded in the encrypted form on one of layers in the multilayer information recording medium other than the  
5 layers on which the contents information is recorded.

22. A computer program for causing a computer to function as the information processing apparatus according to claim 1.

10 23. An information processing method for reproducing or executing information, comprising:

an acquisition process for acquiring the information;

an encryption decision process for making a decision whether information encrypted by using a predetermined encryption method is  
15 contained in the information acquired in the acquisition process;

a control process responsive to a fact that information encrypted by using the predetermined encryption method is not contained in the information acquired in the acquisition process, found as a result of the decision made in the encryption decision process, for issuing a control order  
20 to prevent the acquisition process from further acquiring at least a part of the information, or for issuing a control order to prevent at least a part of the information acquired in the acquisition process from being subjected to execution processing and reproduction processing or to prevent the reproduced or executed information from being output; and

25 a processing process for conducting reproduction processing or execution processing on the information acquired in the acquisition process, and thereby outputting the reproduced or executed information,



wherein, when the control order has been issued in the control process, further acquisition of at least a part of the information is not conducted in the acquisition process, or the execution processing, the reproduction processing, or outputting of reproduced or executed  
5 information is not conducted in the processing process.